

**Decision Support System (DSS)
FY 2017 Annual Sustainment Patch**

Release Notes

***Software Version 3.0
Patch ECX*3.0*161***



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Revision History

Date	Version	Description	Author
09/22/2016	v1.1	Updated document to address PS comments	TeamSMS/Leidos
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1 Introduction

The Decision Support System (DSS) is the designated Managerial Cost Accounting (MCA) System, of the Department of Veterans Affairs (VA), as mandated in *VHA Directive 1750 Veterans Health Administration (VHA) Managerial Cost Accounting System (Decision Support System (DSS))*, March 24, 2015.

DSS is a derived database built from standard VHA data sources. The Managerial Cost Accounting Office (MCAO) uses clinical and financial data to provide state-of-the-art activity-based costing and clinical productivity analyses.

This is a design-to-schedule project with a compulsory patch release date of no later than November 1, of the new Fiscal Year (FY). This project enables the MCAO to accurately accommodate changes, to the primary Clinical Transaction Systems, made during the preceding year, ensuring the Workload data has been accurately captured and costed to the Product Level.

MCA Cost Data is used at all levels of the VA for important functions, such as budgeting and resource allocation. Additionally, the system contains a rich repository of clinical information used to promote a more proactive approach to the care of high-risk (i.e. diabetes and acute coronary patients) and high-cost patients.

1.1 Document Overview

This Release Notes document outlines the changes made during the sustainment effort for this fiscal year (FY17) to the DSS application for patch release ECX*3.0*161.

2 Changes to Data Dictionary

2.1 Corrections to Data Dictionary

2.1.1 Changes in BCMA EXTRACT (#727.833)

- The data type for OBSERVATION PATIENT INDICATOR (Field #48) was corrected. The data type was previously “YES” and “NO” when in fact the field is storing “Y” and “N.”

2.1.2 New Fields

There were no new fields added for DSS FY17 patch ECX*3.0*161.

3 Modified Data Dictionary Definitions

The following Data Dictionary Definitions were modified for DSS FY17 patch ECX*3.0*161.

3.1 ADMISSION EXTRACT (#727.802)

- PRINCIPAL DIAGNOSIS (#32)
- DSS DEPT. (#38)

3.2 PHYSICAL MOVEMENT EXTRACT (#727.808)

- DSS DEPT. (#25)

3.3 UNIT DOSE LOCAL EXTRACT (#727.809)

- DSS PRODUCT DEPARTMENT (#23)

3.4 PRESCRIPTION EXTRACT (#727.81)

- DSS PRODUCT DEPARTMENT (#35)
- ENCOUNTER SHAD (#18)
- ENCOUNTER SC (#99)
- ENCOUNTER CAMP LEJEUNE (#102)

3.5 SURGERY EXTRACT (#727.811)

- CPT (#17)
- DSS PRODUCT DEPARTMENT (#38)
- ANESTHESIA TIME (#21)

3.6 LABORATORY EXTRACT (#727.813)

- DSS PRODUCT DEPARTMENT (#23)

3.7 RADIOLOGY EXTRACT (#727.814)

- DSS PRODUCT DEPARTMENT (#24)

3.8 EVENT CAPTURE LOCAL EXTRACT (#727.815)

- ICD-9 CODE (#29)
- DSS PRODUCT DEPARTMENT (#43)
- SECONDARY ICD9 CODE #1 (#30)
- SECONDARY ICD9 CODE #2 (#31)
- SECONDARY ICD9 CODE #3 (#32)
- SECONDARY ICD9 CODE #4 (#33)

3.9 TREATING SPECIALTY CHANGE EXTRACT (#727.817)

- DSS DEPT. (#25)

3.10 IV DETAIL EXTRACT (#727.819)

- DSS PRODUCT DEPARTMENT (#28)

3.11 LAB RESULTS EXTRACT (#727.824)

- DSS DEPT. (#21)

3.12 QUASAR EXTRACT (#727.825)

- ICD-9 CODE (#29)
- DSS PRODUCT DEPARTMENT (#43)
- SECONDARY ICD9 CODE #1 (#30)
- SECONDARY ICD9 CODE #2 (#31)
- SECONDARY ICD9 CODE #3 (#32)
- SECONDARY ICD9 CODE #4 (#33)

3.13 PROSTHETICS EXTRACT (#727.826)

- ICD-9 CODE (#15)
- DSS PRODUCT DEPARTMENT (#39)
- SECONDARY ICD-9 CODE 1 (#16)
- SECONDARY ICD-9 CODE 2 (#17)
- SECONDARY ICD-9 CODE 3 (#18)
- SECONDARY ICD-9 CODE 4 (#19)

3.14 CLINIC EXTRACT (#727.827)

- PRIMARY ICD9 CODE (#27)
- SECONDARY ICD9 1 (#28)
- SECONDARY ICD9 2 (#29)
- SECONDARY ICD9 3 (#30)
- SECONDARY ICD9 4 (#31)

3.15 BLOOD BANK EXTRACT (#727.829)

- DSS PRODUCT DEPARTMENT (#18)

3.16 BCMA EXTRACT (#727.833)

- OBSERVATION PATIENT INDICATOR (#48)

3.17 CLINICS AND STOP CODES (#728.44)

- ACTION TO SEND (#5)

4 Enhancements/Modifications for FY17

4.1 Modified Print Templates

- ECX CLINIC REVIEW EXPORT FILE - #728.44

4.2 Disabled Options

- ECX CLN STOP REP

4.3 Modified Options

- ECX PRO EXT EDIT (New)
- ECX PRO EXT EDIT LOG (New)
- ECX PRO EXT EDIT MENU (New)
- ECX PROSTHETICS MAINTENANCE (Modified)
- ECXSCLOAD (Modified)
- ECX SETUP CLINIC (Modified)

4.4 DSS Extract Field Additions

There were no extract field additions for DSS FY17 patch ECX*3.0*161.

4.5 DSS Extract Field Modifications

Table 1 lists the extract field modifications included in DSS FY17 patch ECX*3.0*161.

Table 1: DSS Extract Field Modifications

Extract	Field Modifications
ADMISSION EXTRACT (#727.802)	<ul style="list-style-type: none"> • PRINCIPAL DIAGNOSIS (#32) changed to PLACEHOLDER • DSS DEPT. (#38) changed to PLACEHOLDER
PHYSICAL MOVEMENT EXTRACT (#727.808)	<ul style="list-style-type: none"> • DSS DEPT. (#25) changed to PLACEHOLDER
UNIT DOSE LOCAL EXTRACT (#727.809)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#23) changed to PLACEHOLDER
PRESCRIPTION EXTRACT (#727.81)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#35) changed to PLACEHOLDER • ENCOUNTER SHAD (#18) changed technical description to show proper data source • ENCOUNTER SC (#99) changed technical description to show proper data source • ENCOUNTER CAMP LEJEUNE (#102) changed description to show proper data source
SURGERY EXTRACT (#727.811)	<ul style="list-style-type: none"> • CPT (#17) changed to PLACEHOLDER • DSS PRODUCT DEPARTMENT (#38) changed to PLACEHOLDER • ANESTHESIA TIME (#21) changed technical description to describe how the anesthesia time is derived

Extract	Field Modifications
LABORATORY EXTRACT (#727.813)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#23) changed to PLACEHOLDER
RADIOLOGY EXTRACT (#727.814)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#24) changed to PLACEHOLDER
EVENT CAPTURE LOCAL EXTRACT (#727.815)	<ul style="list-style-type: none"> • ICD-9 CODE (#29) changed to PLACEHOLDER • DSS PRODUCT DEPARTMENT (#43) changed to PLACEHOLDER • SECONDARY ICD9 CODE #1 (#30) changed to PLACEHOLDER • SECONDARY ICD9 CODE #2 (#31) changed to PLACEHOLDER • SECONDARY ICD9 CODE #3 (#32) changed to PLACEHOLDER • SECONDARY ICD9 CODE #4 (#33) changed to PLACEHOLDER
TREATING SPECIALTY CHANGE EXTRACT (#727.817)	<ul style="list-style-type: none"> • DSS DEPT. (#25) changed to PLACEHOLDER
IV DETAIL EXTRACT (#727.819)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#28) changed to PLACEHOLDER
LAB RESULTS EXTRACT (#727.824)	<ul style="list-style-type: none"> • DSS DEPT. (#21) changed to PLACEHOLDER
QUASAR EXTRACT (#727.825)	<ul style="list-style-type: none"> • ICD-9 CODE (#29) changed to PLACEHOLDER • DSS PRODUCT DEPARTMENT (#43) changed to PLACEHOLDER • SECONDARY ICD9 CODE #1 (#30) changed to PLACEHOLDER • SECONDARY ICD9 CODE #2 (#31) changed to PLACEHOLDER • SECONDARY ICD9 CODE #3 (#32) changed to PLACEHOLDER • SECONDARY ICD9 CODE #4 (#33) changed to PLACEHOLDER
PROSTHETICS EXTRACT (#727.826)	<ul style="list-style-type: none"> • ICD-9 CODE (#15) changed to PLACEHOLDER • DSS PRODUCT DEPARTMENT (#39) changed to PLACEHOLDER • SECONDARY ICD-9 CODE 1 (#16) changed to PLACEHOLDER • SECONDARY ICD-9 CODE 2 (#17) changed to PLACEHOLDER • SECONDARY ICD-9 CODE 3 (#18) changed to PLACEHOLDER • SECONDARY ICD-9 CODE 4 (#19) changed to PLACEHOLDER
CLINIC EXTRACT (#727.827)	<ul style="list-style-type: none"> • PRIMARY ICD9 CODE (#27) changed to PLACEHOLDER • SECONDARY ICD9 1 (#28) changed to PLACEHOLDER • SECONDARY ICD9 2 (#29) changed to PLACEHOLDER • SECONDARY ICD9 3 (#30) changed to PLACEHOLDER • SECONDARY ICD9 4 (#31) changed to PLACEHOLDER
BLOOD BANK EXTRACT (#727.829)	<ul style="list-style-type: none"> • DSS PRODUCT DEPARTMENT (#18) changed to PLACEHOLDER
BCMA EXTRACT (#727.833)	<ul style="list-style-type: none"> • OBSERVATION PATIENT INDICATOR (#48) – changed set of codes to match what's in the file.
CLINICS AND STOP CODES (#728.44)	<ul style="list-style-type: none"> • ACTION TO SEND (#5) removed option 1 from set of codes, changed text for options 4 and 5.

4.6 Modified Clinics and DSS Stop Codes Print Option

The print version of the Clinics and DSS Stop Codes Print option was modified to include the DSS Product Dept. and the DSS Unit Identifier fields. The report is now 132 characters wide to accommodate the new fields.

4.7 Modified Clinics and DSS Stop Codes Export Option

The export version of the Clinics and DSS Stop Codes Print option was modified to include the DSS Unit Identifier field.

4.8 Removed ICD-9/ICD-10 Check on Incoming Diagnosis Codes

Removed the ICD-9/ICD-10 check on incoming diagnosis codes from the ADM, CLI, ECS, ECQ, and SUR extracts as ICD-9 codes are no longer used.

4.9 Modified PRE Extract

The Prescription extract was modified to begin populating the CL-V Encounter Flag. Code is in place to populate this field but will not work until patch PSO*7.0*445 is released.

4.10 Modified Terms in BCMA Extract

The BCMA extract uses a list of terms to determine if an item is considered a single use or multiple use container. This list was updated to include additional terms.

4.11 Modified Anesthesia Time Logic in Surgery Extract

Modify the logic used to calculate the anesthesia time field in the Surgery extract.

4.12 Modified Logic to Accommodate Missing Times in Surgery Reports

Modified the SUR Volume Report and the Surgery Extract Unusual Volume Reports to indicate missing times (start, end or both) when calculating the time related fields on these reports.

4.13 Modified Create DSS Clinic Stop Code File

The Create DSS Clinic Stop Code File option was modified so that it can be queued to run at a later date and time.

4.14 Modified Action to Send Codes

The Action to Send Code number 1 was deleted from the ACTION TO SEND field in the CLINICS AND STOP CODES file. Any existing entries that were set to Action to Send 1 were replaced with Action to Send code number 5.

4.15 Modified Prosthetics Extract Unusual Cost Report

The report was modified to include a legend at the end of the printed report explaining the various transaction types. For the exportable report, a new column TRAN TYPE DESC, was added to the show this information.

4.16 Modified Cost by PSAS HCPC Report

The report was modified to show the feeder key. It was also modified so that the report does not produce an error when longer time frames are used.

4.17 Modified Prosthetics Maintenance Menu

Created a new menu to appear on the prosthetics maintenance menu that has two new options. One option allows the user to edit the quantity field of the prosthetics extract, and the other is an audit log of the changes made to the quantity field.

4.18 Modified Clinic & Stop Codes Validity Report

The report was modified so that it performs all checks previously done by the Stop Code Non-Conforming Clinics Report.

4.19 Removed Stop Code Non-Conforming Clinics Report

The report was removed from the Setup for DSS Clinic Information menu. This report's functionality is now available in the Clinic & Stop Codes Validity Report.

4.20 Modified SAS Surgery Audit Report Print Version

The print report was modified to include a column header titled "Feeder Location Name."

4.21 Modified Unusual Volume Report for Event Capture

The report was modified to allow test patients to appear on the report if they have a procedure that is in the CH103 to CH109 range.

4.22 Modified UDP/IVP Source Audit Report

The report was modified to correctly identify and report the division.

Appendix A Acronyms

Acronym	Description
ADHC	Adult Day Health Care
AS	Annual Sustainment
BCMA	Bar Code Medication Administration
CPRS	Computerized Patient Record System
CPT	Current Procedural Terminology
DSS	Decision Support System
EC	Event Capture
ECS	Event Capture System
ECMGR	Event Capture Manager
FY	Fiscal Year
GUI	Graphical User Interface
HCPC	Healthcare Common Procedure Coding
ICD-9	International Classification of Diseases, Ninth Revision
ICD-10	International Classification of Diseases, Tenth Revision
IEN	Internal Entry Number
IVP	IV Extract
MCA	Managerial Cost Accounting
MCAO	Managerial Cost Accounting Office
PCE	Patient Care Encounter
PSAS	Prosthetic and Sensory Aids Service
SAS	Statistical Analysis System
UDP	Unit Dose Local Extract
VA	Department of Veterans Affairs
Vista	Veterans Health Information Systems and Technology Architecture